

Michael Shalaby, MD

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Current Position

July 01, 2024 - Present

Director of Ultrasound Research, University of Pennsylvania Department of Emergency Medicine

Roles and Responsibilities:

- Oversight of all ultrasound research conducted and published within the Ultrasound Division
- Fellowship education, including didactic conferences and article preparation
- Ultrasound lectures to emergency medicine residents
- Emergency medicine lectures to emergency medicine residents
- Fellowship interviews and recruiting
- Emergency Medicine residency interviews and recruiting
- City-wide and national academic conference attendance
- Hiring and overseeing clinical research coordinator
- Working closely with division biostatistician
- **Clinical Emergency Medicine: 126 hours monthly**

Decision Editor, Western Journal of Emergency Medicine (October 2024 - Present)

Ultrasound Section Editor, Western Journal of Emergency Medicine (August 2023 - Present)

Reviewer, Annals of Emergency Medicine (October 2024 - Present)

Reviewer, American Journal of Emergency Medicine (October 2024 - Present)

Reviewer, British Medical Journal Open (August 2025 - Present)

Academic Rank: Assistant Professor (August 01, 2022 - Present)

Past Positions

July 01, 2022 - June 30, 2024

- Assistant Professor of Emergency Medicine and Critical Care, Herbert Wertheim College of Medicine at Florida International University
- Director of Ultrasound Research, Mount Sinai Medical Center
- Associate Fellowship Director, Advanced Emergency Medicine Ultrasound, Mount Sinai Medical Center.

○ Roles and Responsibilities:

- Oversight of all ultrasound research conducted and published within the Ultrasound Division
- Fellowship education, including weekly didactic conferences and article preparation
- Ultrasound lectures to emergency medicine residents
- Emergency medicine lectures to emergency medicine residents
- Fellowship interviews and recruiting
- Emergency Medicine residency interviews and recruiting
- City-wide and national academic conference attendance
- Direct oversight of visiting rotator education and scanning shifts: Pediatric ICU, Pediatric Emergency Medicine, Internal Medicine.
- Direct oversight of emergency medicine resident ultrasound education and scanning shifts.
- Oversight of intern longitudinal "Sonosim" online education over the course of the year.

July 01, 2021 - June 30, 2022: Advanced Emergency Medicine Ultrasound Fellow, Mount Sinai Medical Center, Miami Beach, FL

July 01, 2018 - June 30, 2021: Resident, Emergency Medicine, Crozer Chester Medical Center, Upland, PA

July 01, 2017 - June 30, 2018: Clinical Research Coordinator, Department of Dermatology, Northwestern Medicine, Chicago, IL

July 01, 2016 - June 30, 2017: Resident, Internal Medicine, Tulane University Medical Center, New Orleans, LA

Licenses and Certifications

Emergency Medicine Certification, American Board of Emergency Medicine

Advanced Emergency Medicine Ultrasonography Focused Practice Designation, American Board of Emergency Medicine

Emergency Medicine Basic Research Skills, The American College of Emergency Physicians

Professional Societies and Associations

Society of Clinical Ultrasound Fellowships (2024)

American Institute of Ultrasound in Medicine (2024)

Residency, Training, and Education

Fellowship Training:

Emergency Ultrasound Fellowship, Mount Sinai Medical Center, Miami Beach, FL

July 01, 2021 - June 30, 2022

Emergency Medicine Residency:

Crozer Chester Medical Center, Upland, PA

July 01, 2018 - June 30, 2021

Internal Medicine:

Tulane University, New Orleans, LA

July 01, 2016 - June 30, 2017

Medical School:

Louisiana Health Sciences Center, New Orleans, LA

August 15, 2012 - May 16, 2016

Undergraduate:

Tulane University, New Orleans, LA

August 29, 2008 - May 16, 2012

Publications:

- Rech MA, **Shalaby M**, Gage KA, Gottlieb M. Managing Cannabinoid Hyperemesis Syndrome. *Ann Emerg Med*. Published online February 2, 2026. doi:10.1016/j.annemergmed.2025.12.024
- Reeves MT, Lee Y, **Shalaby M**. Ultrasound-guided truncal blocks for tube thoracostomy analgesia in the emergency department. *The Journal of Emergency Medicine*. Published online January 2026:S0736467925004767. doi:10.1016/j.jemermed.2025.12.026
- Gawel RJ, Sillart S, Panebianco N, **Shalaby M**, Ciesielski IP. POCUS-Guided Forearm Nerve Blocks for Analgesia of Acute Hand Ischemia in the Emergency Department. *POCUS J*. 2025;10(2):53-56. Published 2025 Nov 17. doi:10.24908/pocusj.v10i02.19734
- Gottlieb M, **Shalaby M**, Rech MA. The Challenge of Cannabinoid Hyperemesis Syndrome in the Emergency Department. *JAMA Netw Open*. 2025;8(11):e2545316. Published 2025 Nov 3. doi:10.1001/jamanetworkopen.2025.45316
- Gawel RJ, Ho E, Gottlieb M, Kramer JA, **Shalaby M**. Management of cannabinoid hyperemesis syndrome with an erector spinae plane block in the emergency department. *Am J Emerg Med*. Published online November 23, 2025. doi:10.1016/j.ajem.2025.11.023

- **Shalaby M**, Grosh T, Gawel RJ. The erector spinae plane block For visceral analgesia: Is it time to switch to the intertransverse process block? *The American Journal of Emergency Medicine*. Published online October 15, 2025. doi:10.1016/j.ajem.2025.10.028
- Zitek T, Farrow RA 2nd, **Shalaby M**, et al. Supra-Short Ultrasound Protocol for Rotator Cuff Tears in the Emergency Department: Pilot Study. *West J Emerg Med*. 2025;26(5):1431-1437. Published 2025 Sep 25. doi:10.5811/westjem.46984
- Aulia UA, Gawel RJ, Kramer JA, Gottlieb M, **Shalaby M**. The paravertebral fascial plane block: A novel, ultrasound-guided technique for paraspinal neck and back pain. *Am J Emerg Med*. Published online September 23, 2025. doi:10.1016/j.ajem.2025.09.039
- Rafla C, Zitek T, **Shalaby M**. A systematic review of the respiratory effects of ultrasound-guided phrenic nerve block. *Anesth Pain Med (Seoul)*. Published online September 26, 2025. doi:10.17085/apm.25214
- Gawel RJ, Zhou Z, Urban C, Middleton J, **Shalaby M**. Ultrasound guided erector spinae plane block for pain management in the emergency department: a scoping review. *The Journal of Emergency Medicine*. Published online September 2025:S0736467925003737. doi:10.1016/j.jemermed.2025.09.021
- Gawel RJ, Gottlieb M, Abboud ME, Kramer JA, **Shalaby M**. Regional Anesthesia as a New Required Core Procedure for Emergency Medicine Residents: A Step in the Right Direction. *Ann Emerg Med*. 2025;86(3):303-304. doi:10.1016/j.annemergmed.2025.04.027
- Gawel RJ, Hong JX, Lege-Matsuura J, Vonderheide DS, Gottlieb M, Kramer JA, **Shalaby M**. Emergency physician-performed ultrasound-guided nerve blocks: A scoping review of the published literature. *Am J Emerg Med*. 2025 Aug 5;97:200-206. doi: 10.1016/j.ajem.2025.07.068. Epub ahead of print. PMID: 40773853.
- Gawel RJ, DePietro DM, Robinson NA, Abramoff B, **Shalaby M**. Crossing the midline: How the unilateral erector spinae plane block may provide bilateral visceral analgesia. *Am J Emerg Med*. 2025 Jul 9;97:5-8. doi: 10.1016/j.ajem.2025.07.021. Epub ahead of print. PMID: 40652915.
- Gawel RJ, Gottlieb M, Shofer FS, **Shalaby M**. The Authors Respond. *Am J Emerg Med*. 2025;92:184-185. doi:10.1016/j.ajem.2025.03.019
- Reeves MT, **Shalaby M**. Continuous erector spinae plane block for abdominal visceral cancer analgesia in the emergency department: the case for catheters. *Emerg Med J*. Published online June 2, 2025. doi:10.1136/emered-2024-214815
- **Shalaby M**, Moyer E, Buell KG, Bernard K, Gottlieb M. Presentations to United States emergency departments for gastroparesis, cyclic vomiting, and cannabinoid hyperemesis syndrome from 2016 to 2024. *Am J Emerg Med*. Published online June 27, 2025. doi:10.1016/j.ajem.2025.06.067
- Gawel RJ, **Shalaby M**, Kramer JA. Ultrasound-Guided Pectoralis Block for Incision and Drainage of Chest Wall Abscess in the Emergency Department. *J Emerg Med*. 2025;74:97-102. doi:10.1016/j.jemermed.2025.02.012
- Long B, **Shalaby M**, Gottlieb M. Managing Analgesia for Hip Fractures. *Ann Emerg Med*. Published online May 8, 2025. doi:10.1016/j.annemergmed.2025.04.007
- Gawel RJ, **Shalaby M**. Placement of erector spinae plane block catheters in the emergency department. *Am J Emerg Med*. Published online March 18, 2025. doi:10.1016/j.ajem.2025.03.033
- Gawel RJ., Kramer J, **Shalaby M**. "Ultrasound-Guided Erector Spinae Plane Block for Breakthrough Pancreatic and Hepatobiliary Malignancy Pain in the Emergency Department." *Clinical Practice and Cases in Emergency Medicine* (2025).
- Gawel RJ, Gottlieb M, Shofer FS, **Shalaby M**. Refining the approach to erector spinae plane block for gastritis and gastroparesis. *Am J Emerg Med*. Published online March 10, 2025. doi:10.1016/j.ajem.2025.03.019
- Gawel RJ, Gottlieb M, Shofer FS, **Shalaby M**. Treatment of gastritis and gastroparesis symptoms with erector spinae plane block in the emergency department. *Am J Emerg Med*. Published online March 4, 2025. doi:10.1016/j.ajem.2025.03.007

- Usuga D, Everett SC, **Shalaby M**. Auricular nerve block for otitis externa: A case series. *Am J Emerg Med*. Published online February 5, 2025. doi:10.1016/j.ajem.2025.01.081
- Lopez E, Sahni R, Cooper M, **Shalaby M**. Serratus Anterior Plane Block for Procedural Anesthesia for Pigtail Tube Thoracostomy: A Case Series. *Clin Pract Cases Emerg Med*. 2025;9(1):5-9. doi:10.5811/cpcem.21251
- **Shalaby M**, Lee Y, McShannic J, Rosselli M. Analgesia in the Emergency Department for Lower Leg and Knee Injuries: A Case Report. *Clin Pract Cases Emerg Med*. 2025;9(1):10-13. doi:10.5811/cpcem.7201
- Gawel RJ, Kramer JA, Panebianco N, Gottlieb M, Shofer FS, **Shalaby M**. Erector spinae plane block for management of acute opioid withdrawal in the emergency department: A case report. *Am J Emerg Med*. 2025;90:254.e3-254.e5. doi:10.1016/j.ajem.2025.01.033
- Gawel RJ, **Shalaby M**. Response to: "Bilateral erector spinae plane block for intraabdominal pain relief". *Am J Emerg Med*. 2025;90:221-222. doi:10.1016/j.ajem.2025.01.068
- **Shalaby M**, Oliva G, Raciti C, Rosselli M, Mechanic O. Supraclavicular Brachial Plexus Block for Challenging Anterior Shoulder Dislocations: A Case Series. *Clin Pract Cases Emerg Med*. 2025;9(1):1-4. doi:10.5811/cpcem.24850
- Quirch SP, Abello V, Chamberlain O, Warren NL, **Shalaby M**. Rectus sheath nerve block for analgesia & incarcerated hernia reduction in the emergency department. *Am J Emerg Med*. 2024;86:189.e5-189.e8. doi:10.1016/j.ajem.2024.10.021
- **Shalaby M**, Catenazzi A, Smith MF, et al. An Assessment of the Presence of *Clostridium tetani* in the Soil and on Other Surfaces. *West J Emerg Med*. 2024;25(6):890-893. doi:10.5811/westjem.18702.
- Zitek T, Weber L, Nuñez T, Puron L, Roitman A, Corbea C, Sherman D., **Shalaby M**, Kresch F, Farcy DA. Emergency Department Patient Satisfaction Scores Are Lower for Patients Who Arrive During the Night Shift. *West J Emerg Med*. 2024;25(6):929-937. doi:10.5811/westjem.20326
- Zitek T, Weber L, Aloise D, Roitman A, Corbea C, Sherman D, Nunez T, Puron L, **Shalaby M**, Kresch F, Farcy D. Nonresponse bias against the underserved in emergency department patient experience surveys: a cross-sectional analysis: nonresponse to patient surveys. *The Journal of Emergency Medicine*. August 2024.
- Usuga D, Portuondo S, Farcy D, **Shalaby M**. Ultrasound-guided supraclavicular brachial plexus block for therapeutic management of postoperative compressive brachial plexus neuropathy: a case report. *Clinical Practice and Cases in Emergency Medicine*. 2024 Jun 14;8(3).
- **Shalaby M**, Sahni R. Comment on modified pecs ii block for axillary hidradenitis suppurativa. *J Emerg Med*. 2024 Jul;67(1):e109–10.
- Oliva G, McShannic J, Lee Y, **Shalaby M**. Median Nerve Measurement and Steroid Injection for Carpal Tunnel Syndrome: A Case Report. *Clin Pract Cases Emerg Med*. 2024;8(3):291-294. doi:10.5811/cpcem.7194
- **Shalaby M**, Sahni R, Hamilton R. Local anesthetic systemic toxicity: awareness, recognition, and risk mitigation in the emergency department. *Clin Exp Emerg Med*. 2024;11(2):121-126. doi:10.15441/ceem.24.231
- Everett SC, Chamberlain O, Portuondo S, **Shalaby M**. Utility of the occipital nerve block in the emergency department: A case series. *Am J Emerg Med*. April 2024:S0735-6757(24)00194-3.
- **Shalaby M**, McShannic J, Sanoja A, Rosselli M. Emergency department intraarticular corticosteroid injection for sacroiliac joint dysfunction. *The Journal of Emergency Medicine*. 2024;66(4):e503-e507. doi:10.1016/j.jemermed.2023.11.009
- Sanoja, Alejandro J., and **Shalaby, M**. "Use of Point-of-Care Ultrasound to Diagnose Rectus Abdominis Strain in the Acute Setting: A Case Report." *Clinical Practice and Cases in Emergency Medicine*, vol. 0, no. 0, Mar. 2024.

- Puebla DL, Luchitsky I, Montes De Oca R, **Shalaby M**, Farrow II RA. Ultrasound-guided, mid-forearm median nerve block for relief of carpal tunnel syndrome pain in the emergency department: a case report. *Clinical Practice and Cases in Emergency Medicine*. 2024;0(0).
- **Shalaby M**, Sahni R, Puebla D, Fernandez S. Modified pecs ii block for axillary hidradenitis suppurativa. *J Emerg Med*. 2024;66(6):e701-e703. doi:10.1016/j.jemermed.2024.01.007
- **Shalaby M**, Luftig J. Phrenic nerve block: the key to managing acute biliary pain? *World J Emerg Med*. 2024;15(1):62-63
- Farrow RA, **Shalaby M**, Newberry MA, et al. Implementation of an ultrasound-guided regional anesthesia program in the emergency department of a community teaching hospital. *Ann Emerg Med*. 2024;83(6):509-518. doi:10.1016/j.annemergmed.2023.11.013.
- **Shalaby M**, Sanoja A, Rosselli M. Posterior tibial nerve block for the treatment of plantar fasciitis in the emergency department. *J Emerg Med*. 2023;65(5):e441-e443.
- **Shalaby M**, Sahni R. Supraclavicular brachial plexus block: the unsung hero of emergency department regional anesthesia. *Clin Exp Emerg Med* 2023 July 31.
- **Shalaby M**, et al. "Utility of Supraclavicular Brachial Plexus Block for Anterior Shoulder Dislocation: Could It Be Useful?" *The Western Journal of Emergency Medicine*, vol. 24, no. 4, June 2023, pp. 793–97.
- **Shalaby M.**, Arslan, O., Mechanic, O., & Zitek, T. (2023). Low CERVICAL-2 plane block, a proposed regional anesthetic technique for acute cholecystitis. *The American Journal of Emergency Medicine*, 71, 69–73.
- Yu, Melissa, **Shalaby M**, Luftig, J, et al. "Ultrasound-Guided Retroclavicular Approach to the Infraclavicular Region (RAPTIR) Brachial Plexus Block for Anterior Shoulder Reduction." *The Journal of Emergency Medicine*, Aug. 2022.
- Ritz M, Sahni R, **Shalaby M**, Welch K, Cooper, M. (December 2022). Prehospital Point-of-Care Ultrasound Aides in the Diagnosis of "Shortness of Breath": A Case Series. *Emergency Medicine Resident Magazine*. January 2023 - March 2023 Edition.
- Weber L, **Shalaby M**. Bilateral erector spinae plane block for man o' war stings: a case report. *Clin Pract Cases Emerg Med*. 2023;7(1):36-38.
- Cooper, Max; **Shalaby M**; Welch, Kevin. "Tricuspid Annular Plane Systolic Excursion, an Objective Measure of Right Heart Strain with High Inter-Rater Reliability." *Visual Journal of Emergency Medicine*, vol. 19, Apr. 2020, p. 100730.
- **Shalaby M**, et al. "Fascia Iliaca Compartment Block for Chronic Hip Osteomyelitis: A Case Report." *Clinical Case Reports*, vol. 10, no. 5, May 2020, pp. 1–2. www.hilarispublisher.com
- **Shalaby M**, et al: "A Rare Underlying Cause of Priapism." *International Journal of Medical Reviews and Case Reports*. Manuscript Number: IJMRCR-2021-05-178. 2022, 6(Reports in Microbiology, Infectious Diseases and Dermatology): 49-51

Full bibliography of publications: <https://www.ncbi.nlm.nih.gov/myncbi/michael.shalaby.1/bibliography/public/>

Invited Lectures:

- 12/3/2025—The Erector Spinae Plane Block for Opioid Withdrawal. Research In Progress Meeting, The University of Pennsylvania Department of Emergency Medicine.
- 11/13/2025—The Erector Spinae Plane Block for Opioid Withdrawal. Christiana Care Department of Emergency Medicine Weekly Academic Conference.
- 10/8/2025—The Erector Spinae Plane Block for Gastrointestinal Pain, Opioid Withdrawal, and More. University of Pennsylvania Emergency Medicine Weekly Academic Conference
- 8/4/2025—Regional Anesthesia for Headaches. Children's Hospital of Philadelphia Emergency Medicine Weekly Academic Conference.
- 6/4/2025—Regional Anesthesia for Atraumatic Musculoskeletal Complaints. University of Pennsylvania Emergency Medicine Weekly Academic Conference.

- 7/9/2025—Introduction to Regional Anesthesia—Grand Rounds. University of Pennsylvania Emergency Medicine Weekly Academic Conference.
- 7/9/2025—Regional Anesthesia Simulation Center Session. University of Pennsylvania Emergency Medicine Weekly Academic Conference.
- 7/23/2025—Regional Anesthesia for Traumatic Injuries. University of Pennsylvania Emergency Medicine Weekly Academic Conference.
- 9/17/2025—Regional Anesthesia Simulation Center Session. University of Pennsylvania Emergency Medicine Weekly Academic Conference.
- 10/1/2025—Regional Anesthesia Simulation Center Session. University of Pennsylvania Emergency Medicine Weekly Academic Conference.

Ongoing Trials:

- **Industry**
 - Study Sponsor: Butterfly Network, Inc
 - Protocol BN02 v 1.5. Artificial intelligence detection of pulmonary edema.
 - Role: principal investigator
 - 5/2025 -
- **Investigator Initiated**
 - Genicular Nerve Block for Knee Pain in the Emergency Department: A Randomized Controlled Trial
 - Protocol #858259
 - 5/2025 -
 - Efficacy of the Erector Spinae Plane Block for Abdominal Pain from Gastrointestinal Malignancies
 - Protocol #859033
 - 9/2025 -

Oral Abstracts:

- **Shalaby M**, Gawel RJ. New Frontiers in Regional Anesthesia: The Erector Spinae Plane Block for Visceral Abdominal Pain and Opiate Withdrawal. University of Pennsylvania Emergency Medicine Research Day, April 2, 2025.
- Gawel RJ, **Shalaby M**, Kramer J. Ultrasound-Guided Clavipectoral Plane Block for Acute Clavicle Fracture in the Emergency Department. AIUM Annual Convention, March 2025.
- **Shalaby M**. Regional Anesthesia for Gastrointestinal Malignancy: a New Frontier. AIUM Annual Convention, March 2025.
- Zitek T, Farrow R, Kinas D, **Shalaby M**, Puebla D, McShannic J, Sanoja A, Lopez E, Lee Y, Zaldivar A, Rosselli M. The Supra-Short Ultrasound Protocol to Assess for Rotator Cuff Tears in the Emergency Department: A Pilot Trial. ACEP Scientific Assembly, 2024
- Tran L, Farrow R, Kinas D, **Shalaby M**, Farcy D, Zitek T. An Analysis of Common Errors in Biliary Point-of-Care Ultrasound. ACEP Scientific Assembly, 2024
- **Shalaby M**. Supraclavicular Brachial Plexus Block for Anterior Shoulder Dislocation. Mediterranean Emergency Medicine Conference 2023.
- **Shalaby M**, Catenazzi A, Smith M, Farrow R, Farcy D. An Assessment of the Prevalence of Clostridium Tetani in the Environment. ACEP Scientific Assembly, 2023.
- Zitek T, Weber L, Roitman A, Corbea C, Sherman D, Nunez T, Puron L, **Shalaby M**, Kresch F, Farcy D. Who Fills Out Emergency Department Patient Satisfaction Surveys? ACEP Scientific Assembly, 2023.

Poster Presentations:

- Lee YH, **Shalaby M**. Ultrasound-Guided Thoracic Wall Blocks for Chest Tube Thoracostomy in the Emergency Department. AAEM Scientific Assembly, April 2025.
- Gawel R, **Shalaby M**. Ultrasound-Guided Erector Spinae Plane Block for Pancreatic and Hepatobiliary Malignancy Pain in the Emergency Department. AIUM Annual Convention, 2025.
- **Shalaby M**, Farrow R, Kinas D, Montes-DeOca R. Initiation of a Regional Anesthesia Program in a Community Emergency Department. AAEM Scientific Assembly 2023
- **Shalaby M**, Catenazzi A, Smith M, Farrow R, Farcy D. An Assessment of the Prevalence of Clostridium Tetani in the Environment. Florida AAEM 2023.

Research Training, Additional Education:

- ACEP Emergency Medicine Basic Research Seminar (EMBRs): September 2023 - April 2024.
- SAEM Advanced Research Methodology Evaluation and Design (ARMED): September 2024 - April 2025

Peer-Reviewed Reviews:

- "Dexmedetomidine Sublingual Film for Acute Agitation in Adults with Schizophrenia or Bipolar Disorder: Post Hoc Analysis of Pooled Data by Baseline Agitation Severity," Western Journal of Emergency Medicine
- "A Pilot Study to Identify CT Anatomic Features of Type A Dissections to Develop a Screening Tool," Western Journal of Emergency Medicine
- "B-lines Ultrasonography Assessment by Nurses for the Diagnosis of Heart Failure in the Emergency Department," Western Journal of Emergency Medicine
- "Bridging the Gap: Evaluation of an Electrocardiogram Curriculum for Advanced Practice Providers," Western Journal of Emergency Medicine
- "Costoclavicular Brachial Plexus Block Facilitates Painless Upper Extremity Reduction – A Case Report," Western Journal of Emergency Medicine
- "Emergency Department Patients presenting with Substance Use, Severe Psychiatric Disease and/or Domestic Violence: A Case-Control Study of Vulnerable Women's Medical Care Needs," Western Journal of Emergency Medicine
- "Implementation and Evaluation of a Bystander Naloxone Training Course," Western Journal of Emergency Medicine
- "Low stroke volume predicts deterioration in intermediate-risk pulmonary embolism: prospective study," Western Journal of Emergency Medicine
- "Patient characteristics associated with low, high and very high emergency department use for mental health diagnoses based on medical records and structured interviews," Western Journal of Emergency Medicine
- "Perspectives of Caregivers on Children Boarding with Mental Health Conditions in a General ED in a Rural State," Western Journal of Emergency Medicine
- "Sonographic detection of iatrogenic carotid artery guidewires during internal jugular vein catheterization," Western Journal of Emergency Medicine
- "Space Ultrasound: A proposal for competency-based ultrasound training for in-flight space medicine," Western Journal of Emergency Medicine
- "Test Characteristics and Reliability of Cardiac Point-of-Care Ultrasound in the Acute Presentation of Multisystem Inflammatory Syndrome in Children in a Pediatric Emergency Department," Western Journal of Emergency Medicine
- "The U-POCUS Protocol: Urinalysis and Point-of-Care Ultrasound to Rule Out Suspected Ureterolithiasis in Emergency Department Patients," Western Journal of Emergency Medicine
- "Ultrasound performed by Emergency Care Physicians for Deep Vein Thrombosis: A Systematic Review," Western Journal of Emergency Medicine
- "Use of Parenteral Antibiotics in Emergency Departments: practice patterns and class concordance," Western Journal of Emergency Medicine
- "Burnout in the Emergency Department: Survey of Prevalence and Modifiable Risk-Factors," western journal of emergency medicine
- "A Randomized Study of Biplane Imaging in Ultrasound-Guided Peripheral Vascular Access Performed by Novice Operators," American Journal of Emergency Medicine
- "Evidence-Based Clinical Practice Guidelines for the Management of Acute Dental Pain," American Journal of Emergency Medicine

Peer-Reviewed Section Editor Reviews:

- "Space Ultrasound: A proposal for competency-based ultrasound training for in-flight space medicine," Western Journal of Emergency Medicine
- "Test Characteristics and Reliability of Cardiac Point-of-Care Ultrasound in the Acute Presentation of Multisystem Inflammatory Syndrome in Children in a Pediatric Emergency Department," Western Journal of Emergency Medicine

- “Real-time ultrasound-guided lumbar puncture in the emergency setting: a comparison of two techniques,” Western Journal of Emergency Medicine.
- “Patient Sociodemographic Factors Are Associated with Receiving Point-of-Care Ultrasound in the Emergency Department,” Western Journal of Emergency Medicine.
- The development of a novel point-of-care ultrasound program using co-design methods at a Veterans Affairs Emergency Department, Western Journal of Emergency Medicine.

Peer-Reviewed Decision Editor Reviews:

- “CLEARVIEW: Comprehensive Law Enforcement Evaluation And Response Verification in Emergency Workplace,” Western Journal of Emergency Medicine
- "Effect of Basic Point-of-Care Ultrasound Course on Physicians' Use in Clinical Practice: A Survey Study," Western Journal of Emergency Medicine
- “Adherence to infection mitigation strategies for facial dog bite wounds: A retrospective analysis of a level 1 pediatric trauma center,” Western Journal of Emergency Medicine
- “Council of Residency Directors (CORD) Best Practices Vice Chair of Education of Emergency Medicine Job Description Document,” Western Journal of Emergency Medicine
- "Identifying Actions Associated with Sepsis Mortality in a Low-resource Setting," Western Journal of Emergency Medicine.
- "Association of Heat Index and Patient Presentation Rate at a Bounded Mass Gathering Event," Western Journal of Emergency Medicine
- "Cognitive frame and time pressure as moderators of clinical reasoning: a case control study," Western Journal of Emergency Medicine
- “Social Determinants of Health and Health Literacy Among Emergency Patients with Diabetic Ketoacidosis,” Western Journal of Emergency Medicine
- “Extended-Release Injectable Buprenorphine Initiation in an Emergency Department,” Western Journal of Emergency Medicine
- "Does early opioid use for relief of acute abdominal pain increase use of abdominal CT or prolong Emergency Department length of stay?" Western Journal of Emergency Medicine

Volunteering:

- CHOP Junior Youth Summit 5/13/2025 – A morning spent with 7th and 8th graders from the Philadelphia area who are interested in pursuing a career in the medical field.
- CHOP Youth Summit 11/4/2024 – A morning spent with 9th-12th graders from the Philadelphia area who are interested in pursuing a career in the medical field.
- The Schwartz Rounds: Invited panelist to discuss appreciation for a particular person within the medical field. 11/21/2024.